OmniTrack Installation Guide

67-2055 Rev A

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OmniTrack Installation and Programming Instructions

Overview

The OmniTrack was developed to track and record the use of items that reside outside as well as inside the Omnicell cabinet. Because the OmniTrack panel can be added to any cabinet, it is an ideal solution when space limitations prohibit the placement of additional storage racks.

Tools

The following tools will be required t perform the procedure:

- T15 Torx screwdriver
- Phillips head screwdriver

Installing the OmniTrack

1. Remove the switchpanels and the corresponding shelves and brackets that are to be replaced by the OmniTrack.

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2. Attach the left and right brackets to the frame.

Figure 1-1. OmniTrack bracket

3. Connect the OmniTrack to the wireway using the flex connector.

Note: To install the OmniTrack directly above the PC box check the wireway for a 10 pin or a 14 pin connector. If there is a 10 pin connector, use the standard connector. If there is only a 14 pin connector, use the 14-pin cable that came in the OmniTrack kit.

Figure 1-2. Flex connector and the cabinet wireway

4. Insert the OmniTrack into the brackets.

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5. Secure the OmniTrack in place, using the screws provided with the kit. Use a Phillips head screwdriver.

Figure 1-3. Secure the OmniTrack with the screws provided.

Note: If possible, use all eight screws provided; otherwise, use at least four screws in the top or bottom, whichever is more accessible.

Reassembling the OmniTrack

1. Insert the switchpanel into the extrusion.

Figure 1-4.

Note: The notch on the right side of the extrusion is there to accomodate the cable connectors on the switchpanel.

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2. Connect each of the 32 button bar cable connectors to the controller board.

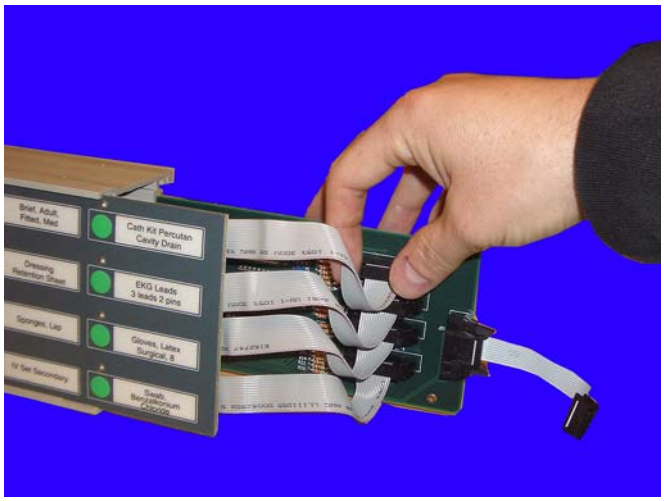

Figure 1-5.

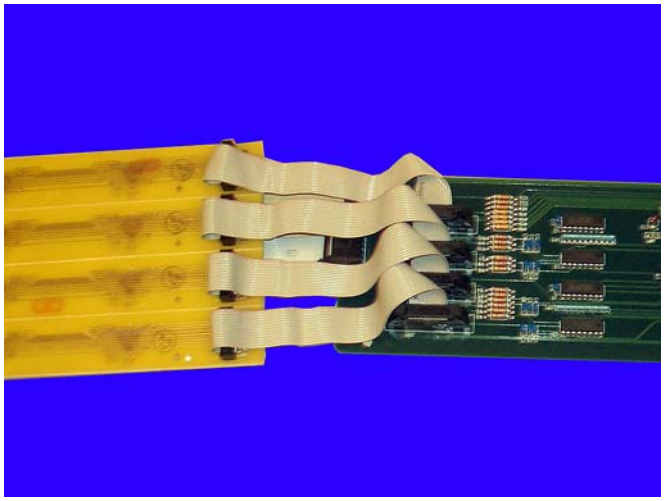

Figure 1-6.

Note: Wires must be connected and not rearranged. Note the orientation of PCBA within the extrusion.

3. Connect the "controller to SPC" (part # 42-7015) cable to the controller, or when installing the OmniTrack directly above the PC Box, connect the flex connector (part # 42-31230).

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4. Insert the controller cover plate into the outermost groove on the extrusion.

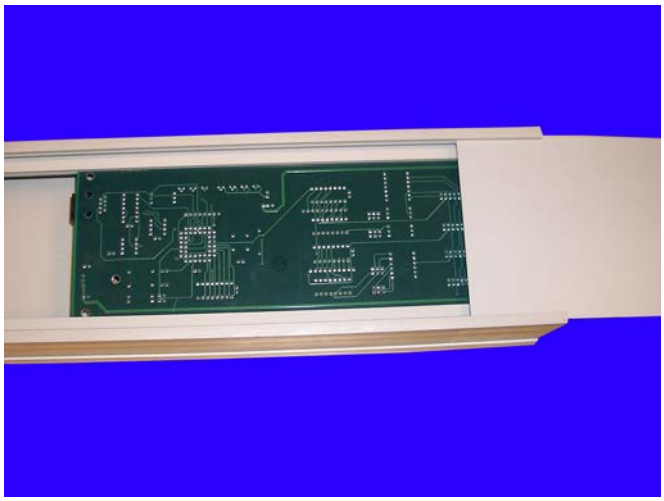

Figure 1-7.

5. Test the brackets to ensure that they fit snugly against the extrusion.

Programming the OmniTrack

The OmniTrack functions in the same manner as standard OmniSupplier switchpanels. Programming the OmniTrack, however, is somewhat different. Please follow the instructions below to program your OmniTrack:

Set Programming Mode

1. Power on the cabinet.
2. Set the OmniTrack into programming mode by pressing and holding down the upper left **Return Item** button for approximately ten seconds until the bottom row LEDs light up.

Figure 1-8.

In programming mode, the OmniTrack LEDs represent the following:

Row One: Zone address

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Row Two: Host zone (physical location of the OmniTrack)

Row Three: Bin type (32 button switch panel or 32 button supply drawer)

Row Four: Exit buttons

Figure 1-9.

- Program the OmniTrack for zone, physical location, and bin type using the following directions:

Zone Address

Use the top row of LEDs to set the zone address. Binary numbering (starting from the far left button; 1,2,4,8,16,32,64) is used.

The eighth button is not used.

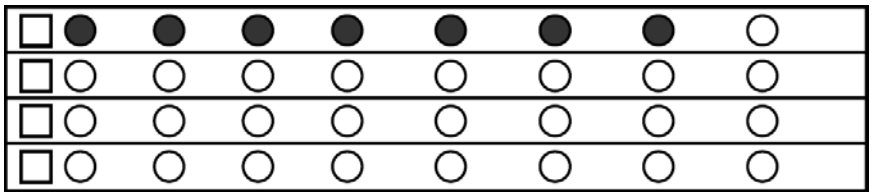

Figure 1-10.

Several sample addresses are shown below:

Button#	**1**	**2**	**3**	**4**	**5**	**6**	**7**	
Binary Value	**1**	**2**	**4**	**8**	**16**	**32**	**64**	
	off	off	off	off	off	off	off	= Zone 0
	ON	off	off	off	off	off	off	= Zone 1
	off	ON	ON	off	off	off	off	= Zone 6 (2+4)
	ON	ON	ON	ON	off	off	off	= Zone 15 (1+2+4+8)

If the OmniTrack is being used for off-Omni items or for SecureTrack items, set the zone address to Zone 9 or any other appropriate auxilliary/imaginary zone.

If the OmniTrack is being used for pharmacy items with a refrigerator either on or off the OmniSupplier, set the zone address to the zone in which the OmniTrack is physically located.

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Host Zone Address

Use the second row of LEDs to set the host zone address. As above, binary numbering (starting from the far left button; 1,2,4,8,16,32,64) is used.

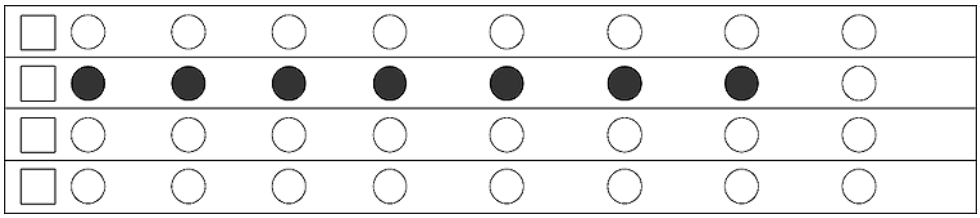

Figure 1-11.

If the OmniTrack is being used for off-Omni items or for SecureTrack items, set the host zone address to the zone in which it is physically located.

If the OmniTrack is being used in a pharmacy zone, this address is unimportant because the OmniTrack needs to be set to a supply drawer address (not a host zone address). However, to lessen confusion, it is suggested that the host zone address be set to the zone in which the OmniTrack is physically located.

SecureTrack Association

If the OmniTrack is being used to run a SecureTrack, turn **on** the first item button from the right side of Row Two of the OmniTrack.

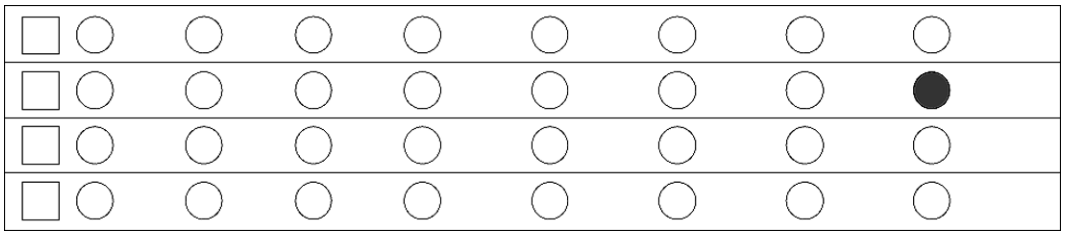

Figure 1-12.

Bin Type

Set the bin type using the fourth item button from the left on Row Three of the OmniTrack.

ON = Supply Drawer addressing OFF = Switchpanel addressing

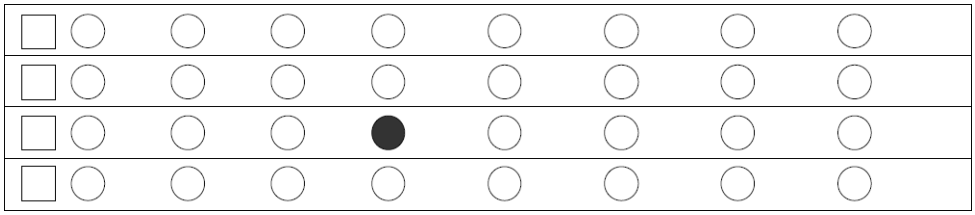

Figure 1-13.

In this diagram, the OmniTrack is set up as a supply drawer in the first row of zone 0.

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The OmniTrack can be addressed like a switchpanel with button numbers from 0-31 (one zone = five switchpanels each having eight item buttons); or like a supply drawer with button numbers from 40 - 199. These two types of addressing make it possible to use the OmniTrack in any zone with any configuration.

Switchpanel Bin Type

Use the switchpanel bin addressing when using the OmniTrack with a SecureTrack or to keep track of off-Omni supplies. In this instance, the OmniTrack is set to a different zone than its actual physical location and will not conflict with shelves or drawers.

Note: Do not use pharmacy **Pre-select** in this configuration. When requesting drugs from a shelf and an OmniTrack located behind the same door, you will have to open and close the door after getting the drugs from the shelf before the drugs on the OmniTrack are available. (Problem: two zones behind one door).

Supply Drawer Bin Type

Use supply drawer bin addressing when using the OmniTrack in a pharmacy zone, where **Pre-select** is required. Supply drawer bin numbering enables the OmniTrack to be set to a zone on the physical OmniSupplier and allows the OmniTrack to be used with other shelves and supply drawers in that same zone. Set the Zone Address to the same zone as the Host Zone Address.

Note: If the OmniTrack is set for switchpanel addressing, it only leaves the fifth shelf location addresses open. So there could only be one shelf, in the fifth position, and one OmniTrack. The controller on the SPC wireway would also conflict with the controller on the OmniTrack. (Problem: conflicting addressing and controllers.)

Note: Supply Drawer addressing does NOT work with SecureTrack. Drawers do not look for door commands.

Using this bin type, the host location addressing set in the second row is not important. Instead you must set the supply drawer location i.e. the row in which the OmniTrack is installed. The row location is set by the first three item buttons from the left in the third row from the top. The same type of binary numbering/addressing applies. With the current OmniSupplier software, only 5 supply drawers are possible. A supply drawer has 3 switchpanels, thus 5*3 = 15, the software can recognize 15 switchpanels. Since the OmniTrack has 4 switchpanels, 15/4 = 3.75, only the first three supply drawer locations can be used for addressing the OmniTrack.

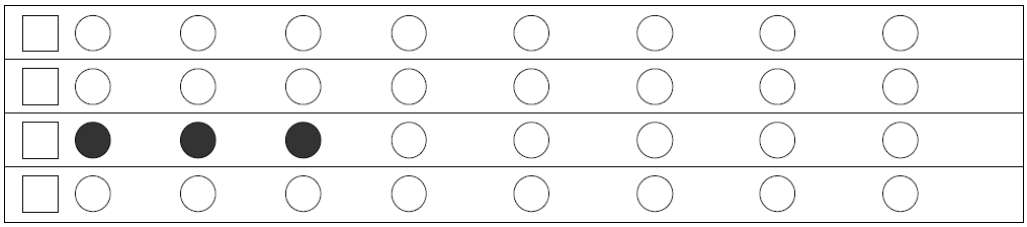

Figure 1-14.

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Button#	**1**	**2**	**3**	
Binary Value	**1**	**2**	**4**	
	off	off	off	= button number range 40-71
	ON	off	off	= button number range 72-103
	off	ON	off	= button number range 104-135
	ON	ON		= button number range 136-167 NOT VALID
	off	off	ON	= button number range 168-199 NOT VALID

Exit Programming Mode

Press any of the items in the bottom row (row four) of the OmniTrack. This will turn OFF all of the LEDs and exit programming mode.

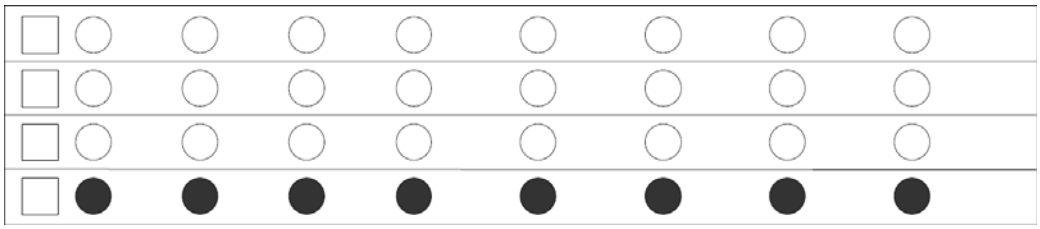

Figure 1-15.

Configuring the OmniSupplier Software

For the most part, configuring the OmniSupplier for OmniTrack is done just like shelf configuration. After the OmniTrack controller is programmed and the unit is installed in the OmniSupplier, it acts just like a regular switchpanel. Items are addressed as usual. **Pre-select** works if the OmniTrack is programmed as a supply drawer.

Special Considerations:

OmniTrack with SecureTrack

Create an extra cabinet with zone "9" and doors activated. The OmniTrack controller talks to the SecureTrack controller and opens the SecureTrack doors when items are selected. (Enable a second cabinet with zone 9 active).

OmniTrack with Pharmacy Zone

Program the zone in which the OmniTrack is located for pharmacy and assign drugs as usual.

Example Configuration

For the configuration shown in the illustration below, the OmniTrack would be programmed as follows:

Zone 4

Host Zone 4

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Supply Drawer Addressing

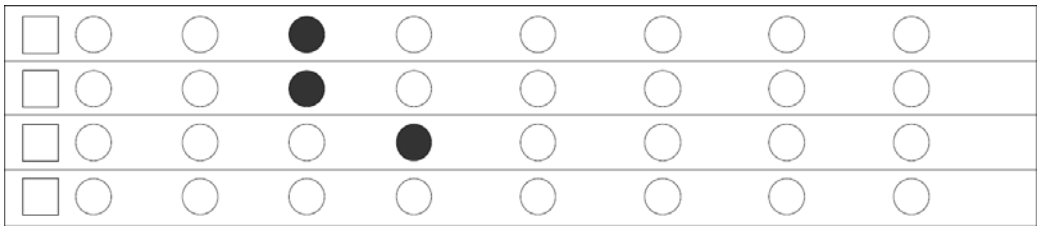

Figure 1-16.

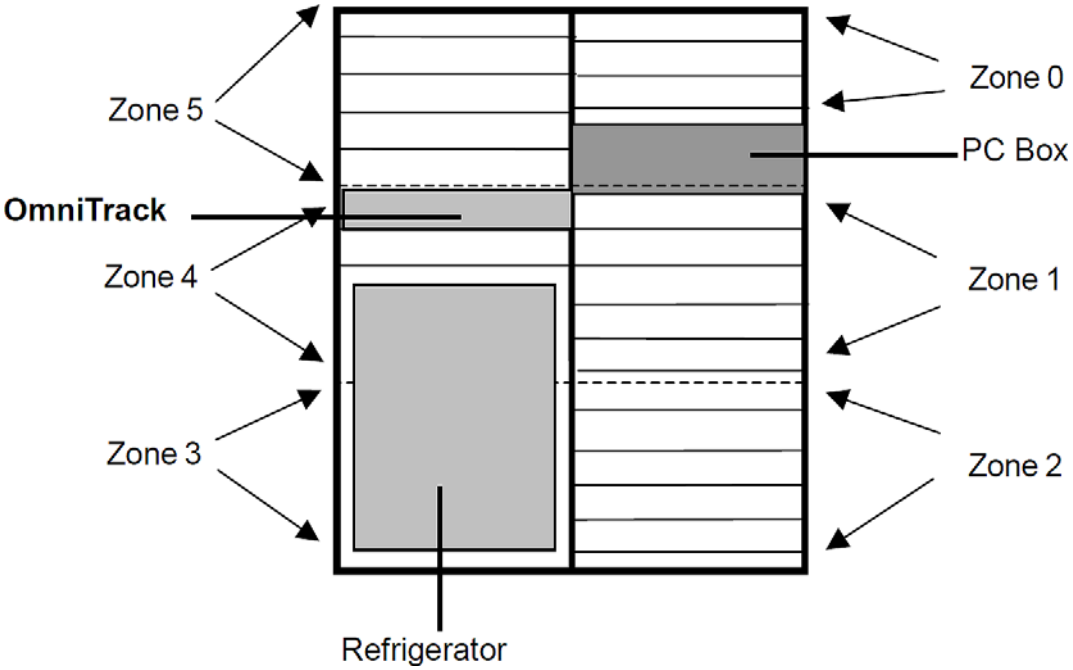

Figure 1-17.

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